

Meditherm 520

Temperature Screening Station



Stable Temperature Screening

The Meditherm 520 is a complete temperature screening system. The system monitors temperatures, displays thermal images and has an adjustable temperature threshold setting to give an alarm when a temperature exceeds the chosen threshold. The camera operates at realtime update rates, and displays images in color on a flat panel display. Temperature resolution is $<0.25^{\circ}\text{C}$. The camera is compact and rugged, and the system is designed to operate 24/7. If needed, a weatherproof option is available. The easy to use interface assures non-technical users can successfully operate the system.

The Meditherm 520 Temperature Screening System offers a number of benefits.

- Real-time screening means no need for queues.
- Simple user interface allows anyone to quickly become proficient at operating the system.
- Visual and audible alarms permit fast identification of source of alarm.
- Stable calibration over ambient temperature changes ensures excellent measurement repeatability.
- Selectable alarm threshold provides measurement flexibility.

Applications:

- SARS screening
- Temperature screening
- Threshold detection
- Alarm applications

Features:

- Real-time display
- Compact, rugged
- Optional weatherproofing

For current product information please visit <http://www.compix.com/520.htm>.

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Temperature Screening Station



Technical specifications¹:

Imaging Performance	
Temperature range	10° C to 50° C (50° F to 122° F)
Measurement accuracy	1.2%
Stability (after 1 minute warm-up)	< 0.3° C drift over the temperature range 18° C to 30° C (< 0.5° F drift over the temperature range 64° F to 86° F)
Ambient correction	Automatic
Detector	
Focal Plane Array	Amorphous Silicon microbolometer
Pixels	160 x 120; Interpolated to 320 x 240
Spectral Response	7-14 microns
Thermal Sensitivity	0.01° C @30° C (0.2° F @ 86° F)
Display	
Dynamic range	12 bit
Displayed image	8 bit
Display color	5 user selectable colormaps
ISO band display	Automatically set to selected threshold temperature.
Power requirements	
Power Source	95-225 VAC, 45-65 Hz
Battery / external DC option ²	6-32 VDC, minimum of 3 Watts continuous, 1 Ampere for a short time at start-up.
Environmental characteristics	
Operating Temperature	0° C to 60° C (32° F to 140° F)
Storage temperature	-40° C to 80° C (-40° F to 176° F)
Physical characteristics	
Enclosure	EMI shielded
Overall dimensions (HxWxD)	12cm x 19cm x 14cm (4.7" x 7.5" x 5.5")
Weight of camera	1.7kg (3.7 lbs.)
Weight of camera stand	11kg (24 lbs.)
Calibration	
Recommended interval	2 years
Optics	
Focal length	25mm (1")
Field of view	17° H x 12° V
Focus range	1m to infinity (39" to infinity)
Standard accessories	
Computer	Desktop or mini tower personal computer (PC).
Display	15" flat panel touch-screen LCD.
Software	Full featured with threshold detection, data logging, camera control.
Cables	All necessary cables are supplied with the system.
Camera stand	Roll-about stand included.

Ordering information:

17-0520-0 – Complete Compix[®] 520 Temperature Screening Station.

Visit www.compix.com/520purchase.htm for more information regarding purchases.

¹ All specifications subject to change without notice.

² Camera requirements only, does not include computer or monitor.